



Electric grid republic of china

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The State Grid Corporation of China (SGCC), commonly known as the State Grid, is a Chinese state-owned electric utility corporation. It is the largest utility company in the world. As of March 2024, State Grid is the world's third largest company overall by revenue, behind Walmart and Amazon. In 2023 it was reported as having 1.3 million employees, 1.1 billion customers and revenue equivalent to US\$546 billion. It is overseen by the State-owned Assets Supervision and Administration Commission of the State Council.

After the electricity Plant-Grid Separation reform in early 2002, the assets of State Electric Power Corporation () were divided into five power generation groups that retained the power plants and five regional subsidiaries belonging to the State Grid Corporation of China in Beijing.

The State Grid Corporation was involved in a multi-phase smart-grid project for China's electrical grid planned for 2011-2015. China's smart grid efforts are different from those in the United States in that its plans heavily use ultra high voltage (UHV) lines. Several UHV construction projects began in 2012 to bring UHV power lines across Huainan, Wannan, and Shanghai and another from Xilingol League to Nanjing. By 2015, the company planned to have three more horizontal UHV lines through West Inner Mongolia to Weifang, from Central Shanxi-Xuzhou to Yaan-southern Anhui and 11 other lines by 2015.

On October 29, 2014, The Central Commission for Discipline Inspection declared that the general manager of State Grid Shanghai Municipal Electric Power, Feng Jun, was detained in an anti-graft operation overseen by the commission. In 2017, his assets (worth 53 million yuan) were seized, and he was sentenced to life in prison.

In 2015, SGCC proposed the Global Energy Interconnection, a long-term proposal to develop globally integrated smart grids and ultra high voltage transmission networks to connect over 80 countries. The idea is supported by President Xi Jinping and China in attempting to develop support in various internal forums, including UN bodies.

As of at least 2024, SGCC is the world's largest energy utility company. It operates almost all of China's energy transmission network.

In Portugal, State Grid has a 25% stake in REN since the second stage of its privatization (in

2012-2014).

In Australia, State Grid owns a 41% stake in ElectraNet, a 19.9% stake in AusNet Services, and 60% stake in Jemena.

In Brazil, State Grid is involved in developing, building, and operating hydropower facilities. State Grid acquired the control of CPFL Energia S.A. for the equivalent of US\$3.4 billion in 2017. State Grid built the 2000-km Ultra High Voltage power line delivering hydropower to the megacities Rio de Janeiro and S?o Paulo.

In Chile, State Grid acquired Chilquinta Energ?a, the third-largest distributor of electricity in Chile, and Tecnores SA, which provides construction services to Chilquinta, from U.S. power company Sempra Energy. The deal was closed on June 24, 2020. On 13 November 2020, it was announced that State Grid had reached an agreement to acquire Compa?ia General de Electricidad (CGE), the largest distribution of electricity in this country.

In Italy, State Grid owns 35% stake in CDP Reti, which owns a third of Italy's power and gas grid operators Terna and Snam.

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